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(54) PASTY INORGANIC POWDER-RESIN
COMPOSITION AND FORMING METHOD OF ITS
SINTERED COMPACT

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a pasty resin composition containing functional inorganic powder and an organic binder, which is excellent in coating, molding and sintering, and a manufacturing method of a sintered compact having functions such as a dielectric, ferroelectric, semiconductor, body with high toughness,

etc.

SOLUTION: The composition to form the sintered compact contains (A) (meth)acrylic polymer with weight-average mol.wt. of 500-10,000 and glass transition temperature of -80 to 50°C, (B) polymerizable monomer with mol.wt. of 100-5,000 having polymerizable unsaturated groups of 2-6 and (C) more than one kind of inorganic particles with average diameter of 0.1-20 μm .

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